

Introduction

This module is part of [MOD.030 - Console Application](#). It contains the (De-)Compressor functionalities.

Requirements:

The following requirements are covered by this module:

- [/LF60/\(De-\)Compression](#)

Prerequisites

In order to use this module the following prerequisites should be met:

- The developer should have a working computer that can access the internet
- The developer should use Windows 10 as their operating system
- The developer should use the .NET Framework Version 4.7 (other versions could be used, but were not tested)

Dependencies

This module depends on the AMLEngine module and on all of its dependencies. AMLEngine 2.1 was used during development.

Communication with other modules/Interface

In this project, this module is used as the class that compresses or de-compresses a given AML or AMLX document. It only communicates with the console, the AML-Engine and other standard C# objects over its COM-Interfaces.

Technical overview

File Structure

This module includes just the DeCompressor class file. The files that should be compressed/decompressed should also exist on one of the users connected drives.

Important Functions and Variables

These are the current methods of the DeCompressor class:

Function name	Description
"Compress"	This function creates a new AMLX file with its given files.
"DeCompress"	This functions decompresses an AMLX file.

There are three parameters that are passed to the compress function:

Parameter	Prameter Description
sourceAMLFile	This parameter is a string containing the path to the AML-Document that should be the new main file in the new archive.
file_target	This parameter is a string containing the location where the new AMLX file should be saved.
OtherFiles	This parameter contains a list of all paths to other files that should be in the new archive.

There are two parameters that are passed to the DeCompress function:

Parameter	Prameter Description
file_path_src	This parameter is a string containing the path of the AMLX-File that should be decompressed.
folder_path_target	This parameter is a string containing the path to the folder, where the content of the AMLX-File should be extracted to.